

Appl. No. 10/671,372
Reply to Office Action of November 4, 2005

IN THE CLAIMS

1. (Currently Amended) A ~~transport for a rocket engine, the transport,~~ comprising:
 - a trailer having a long axis;
 - a tail support member coupled to the trailer and having a notch configured to receive a pin affixed to near a first end of the rocket engine; and
 - a chock assembly comprising a chock pivotably coupled to a trolley, wherein the chock is configured to accept the rocket engine, to move along the long axis, and to pivot about a rotation axis that is substantially perpendicular to the long axis of the trailer as a second end of the rocket engine is elevated to a position that is substantially perpendicular to the long axis.
2. (Original) The transport of claim 1 wherein the chock assembly further comprises a bearing assembly pivotably coupling the chock to the trolley.
3. (Original) The transport of claim 2 wherein the chock assembly further comprises a cradle assembly comprising a support bracket coupled to the chock.
4. (Original) The transport of claim 3 wherein the support bracket comprises a trunnion configured to cooperate with the bearing assembly to thereby allow the chock to pivot with respect to the trolley.
5. (Previously Amended) The transport of claim 4, wherein the cradle assembly comprises a first cradle assembly, and wherein the chock assembly further comprises:
 - a second bearing assembly; and
 - a second cradle assembly coupled to the chock and having a second trunnion configured to interface with the second bearing assembly.
6. (Original) The transport of claim 5 further comprising a shaft interconnecting the first and second cradle assemblies.

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7. (Currently Amended) A ~~transport for a rocket engine, the transport~~ comprising:
a trailer having a track running parallel to a longitudinal axis of the trailer;
a tail support member coupled to the trailer having a notch configured to rotably receive a pin affixed to near a first end of the rocket engine; and
a chock assembly comprising a chock, a trolley, a pair of bearing assemblies rotably coupling the chock to the trolley and a pair of cradle assemblies, each cradle assembly comprising a support bracket coupled to the chock and having a trunnion configured to interact with the bearing assembly, wherein the chock is configured to accept the rocket engine and to pivot on the trunnion about a rotation axis that is substantially perpendicular to the longitudinal axis of the trailer as a second end of the rocket engine is elevated to a position that is substantially perpendicular to the longitudinal axis.
8. (Currently Amended) A chock assembly for transporting a rocket engine on a transport having a longitudinal axis, the chock assembly comprising:
a trolley portion configured to interact with the transport for the rocket engine;
a chock having a curved portion configured to receive the rocket engine; and
a hinge portion configured to pivotably couple the chock to the trolley such that the chock is free to rotate about an axis that is substantially perpendicular to the longitudinal axis of the rocket engine as one end of the rocket engine is elevated to a position that is substantially perpendicular to the longitudinal axis.
9. (Original) The chock assembly of claim 8 wherein the trolley portion is further configured to interact with the transport to move along the longitudinal axis of the transport during elevation of the rocket engine.

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10. (Original) The chock assembly of claim 8 wherein the hinge portion comprises a bearing assembly rotably coupling the chock to the trolley.
11. (Original) The chock assembly of claim 10 further comprising a cradle assembly comprising a support bracket coupled to the chock and having a trunnion configured to interact with the bearing assembly.
12. (Original) The chock assembly of claim 11 further comprising:
 - a second bearing assembly;
 - a second cradle assembly coupled to the chock and having a second trunnion configured to interface with the second bearing assembly; and
 - a shaft interconnecting the first and second cradle assemblies.
13. (Currently Amended) A chock assembly for supporting a rocket engine on a transport having a longitudinal axis, the chock comprising:
 - a trolley portion configured to mate with the transport and to interact with a transport to move along the longitudinal axis of the transport during elevation of the rocket engine;
 - a chock having a curved portion configured to receive the rocket engine; and
 - a hinge portion having a bearing assembly configured to pivotably couple the chock to the trolley such that the chock rotates about a pivot point on the trolley about an axis that is substantially perpendicular to the longitudinal axis of the rocket engine as one end of the rocket engine is elevated to a position that is substantially perpendicular to the longitudinal axis.
14. (Original) The chock assembly of claim 13 further comprising a cradle assembly comprising a support bracket coupled to the chock and having a trunnion configured to interact with the bearing assembly.

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15. (Original) ~~A transport for an~~ An object, the transport, comprising:
- a trailer having a longitudinal axis;
 - a tail support member coupled to the trailer having a notch configured to receive a pin attached to near a first end of the object; and
 - a chock assembly comprising a chock and a trolley, wherein the chock is configured to accept the object and to pivot about a pivot point on the trolley about a rotation axis that is substantially perpendicular to the longitudinal axis of the trailer as a second end of the object is elevated to a position that is substantially perpendicular to the longitudinal axis.
16. (Original) ~~A transport for an~~ An object, the transport, comprising:
- a trailer having a track running parallel to a longitudinal axis of the trailer;
 - a tail support member coupled to the trailer and having a notch configured to rotably receive a pin affixed to near a first end of the object; and
 - a chock assembly comprising a chock, a trolley, a pair of bearing assemblies rotably coupling the chock to the trolley and a pair of cradle assemblies, each cradle assembly comprising a support bracket coupled to the chock and having a trunnion configured to interact with the bearing assembly, wherein the chock is configured to accept the object and to pivot about a rotation axis that is substantially perpendicular to the longitudinal axis of the trailer as a second end of the object is elevated to a position that is substantially perpendicular to the longitudinal axis.

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17. (Original) A chock assembly for transporting an object having a longitudinal axis, the chock comprising:
 - a trolley portion configured to mate with a transport for the object and to interact with a transport to move laterally along the longitudinal axis of the object;
 - a chock having a support portion configured to receive the object; and
 - a hinge portion having a bearing assembly configured to pivotably couple the chock to the trolley such that the chock rotates about a pivot point on the trolley about an axis that is substantially perpendicular to the longitudinal axis of the object as one end of the object is elevated to a position that is substantially perpendicular to the longitudinal axis.
18. (Cancelled)
19. (Cancelled)
20. (Cancelled)
21. (Cancelled)